Contents of Volume 127

NUMBER 1

From the Editor. *Michael Murphy*. 1

Special Reviews in Ornithology

Prospects for the use of next-generation sequencing methods in ornithology. *Heather R. L. Lerner and Robert C. Fleischer* 4

Research Articles

Evolution and Genetics

Balanced sex ratio at hatch in a Greater Sage-Grouse (*Centrocercus urophasianus*) population. *Michael T. Atamian and James S. Sedinger* 16

Evidence of recent population differentiation in Orange-crowned Warblers (*Vermivora celata*) in Haida Gwaii. *Roger D. Bull, Andrée McCracken, Anthony J. Gaston, Tim P. Birt, and Vicki L. Friesen*. 23

Small-scale divergence in egg color along an elevation gradient in the Mexican Jay (*Aphelocoma ultramarina*): A condition-dependent response? *John E. McCormack and Elena C. Berg* 35

The evolution of tail shape in hummingbirds. *Christopher J. Clark* 44

Subspecies status and population genetic structure in Piping Plover (*Charadrius melodus*). *Mark P. Miller, Susan M. Haig, Cheri L. Gratto-Trevor, and Thomas D. Mullins* 57

Methods and Statistics

Effects of lipid extraction on stable isotope ratios in avian egg yolk: Is arithmetic correction a reliable alternative? *Steffen Oppel, Rebekka N. Federer, Diane M. O'Brien, Abby N. Powell, and Tuula E. Hollmén* 72

Estimating length of avian incubation and nestling stages in Afrotropical forest birds from interval-censored nest records. *Thomas R. Stanley and William D. Newmark*. 79

Evaluation of a reproductive index for estimating productivity of grassland breeding birds. *Michael R. Morgan, Christopher Norment, and Michael C. Runge* 86

Effects of prior detections on estimates of detection probability, abundance, and occupancy. *Jason D. Riddle, Rua S. Mordecai, Kenneth H. Pollock, and Theodore R. Simons* 94

Effects of extra mass on the pelagic behavior of a seabird. *Carlos Passos, Joan Navarro, Alessandro Giudici, and Jacob González-Solís* 100

Migration

Patterns of fuel use and storage in migrating passerines in relation to fruit resources at autumn stopover sites. *Susan B. Smith and Scott R. McWilliams*. 108

A comparison between nocturnal aural counts of passerines and radar reflectivity from a Canadian weather surveillance radar. *François Gagnon, Marc Bélisle, Jacques Ibarzabal, Pierre Vaillancourt, and Jean-Pierre L. Savard*. 119

Physiology and Behavior

Context-dependent changes in the weighting of environmental cues that initiate breeding in a temperate passerine, the Corsican Blue Tit (*Cyanistes caeruleus*). *Donald W. Thomas, Patrice Bourgault, Bill Shipley, Philippe Perret, and Jacques Blondel* 129

Provisioning in Flesh-footed Shearwaters (*Puffinus carneipes*): Plastic foraging behavior and the implications for increased fishery interactions. *Sam J. Thalmann, Mary-Anne Lea, Mark Hindell, David Priddel, and Nicholas Carlile* 140

Concentration-dependent sugar preferences of the Malachite Sunbird (*Nectarinia famosa*). *Mark Brown, Colleen T. Downs, and Steven D. Johnson*. 151

Birdsong differs between mercury-polluted and reference sites. *Kelly K. Hallinger, Daniel J. Zabransky, Katherine A. Kazmer, and Daniel A. Cristol*. 156

Contents of Volume 127

NUMBER 1

From the Editor. *Michael Murphy*. 1

Special Reviews in Ornithology

Prospects for the use of next-generation sequencing methods in ornithology. *Heather R. L. Lerner and Robert C. Fleischer* 4

Research Articles

Evolution and Genetics

Balanced sex ratio at hatch in a Greater Sage-Grouse (*Centrocercus urophasianus*) population. *Michael T. Atamian and James S. Sedinger* 16

Evidence of recent population differentiation in Orange-crowned Warblers (*Vermivora celata*) in Haida Gwaii. *Roger D. Bull, Andrée McCracken, Anthony J. Gaston, Tim P. Birt, and Vicki L. Friesen*. 23

Small-scale divergence in egg color along an elevation gradient in the Mexican Jay (*Aphelocoma ultramarina*): A condition-dependent response? *John E. McCormack and Elena C. Berg* 35

The evolution of tail shape in hummingbirds. *Christopher J. Clark* 44

Subspecies status and population genetic structure in Piping Plover (*Charadrius melodus*). *Mark P. Miller, Susan M. Haig, Cheri L. Gratto-Trevor, and Thomas D. Mullins* 57

Methods and Statistics

Effects of lipid extraction on stable isotope ratios in avian egg yolk: Is arithmetic correction a reliable alternative? *Steffen Oppel, Rebekka N. Federer, Diane M. O'Brien, Abby N. Powell, and Tuula E. Hollmén* 72

Estimating length of avian incubation and nestling stages in Afrotropical forest birds from interval-censored nest records. *Thomas R. Stanley and William D. Newmark*. 79

Evaluation of a reproductive index for estimating productivity of grassland breeding birds. *Michael R. Morgan, Christopher Norment, and Michael C. Runge* 86

Effects of prior detections on estimates of detection probability, abundance, and occupancy. *Jason D. Riddle, Rua S. Mordecai, Kenneth H. Pollock, and Theodore R. Simons* 94

Effects of extra mass on the pelagic behavior of a seabird. *Carlos Passos, Joan Navarro, Alessandro Giudici, and Jacob González-Solís* 100

Migration

Patterns of fuel use and storage in migrating passerines in relation to fruit resources at autumn stopover sites. *Susan B. Smith and Scott R. McWilliams*. 108

A comparison between nocturnal aural counts of passerines and radar reflectivity from a Canadian weather surveillance radar. *François Gagnon, Marc Bélisle, Jacques Ibarzabal, Pierre Vaillancourt, and Jean-Pierre L. Savard*. 119

Physiology and Behavior

Context-dependent changes in the weighting of environmental cues that initiate breeding in a temperate passerine, the Corsican Blue Tit (*Cyanistes caeruleus*). *Donald W. Thomas, Patrice Bourgault, Bill Shipley, Philippe Perret, and Jacques Blondel* 129

Provisioning in Flesh-footed Shearwaters (*Puffinus carneipes*): Plastic foraging behavior and the implications for increased fishery interactions. *Sam J. Thalmann, Mary-Anne Lea, Mark Hindell, David Priddel, and Nicholas Carlile* 140

Concentration-dependent sugar preferences of the Malachite Sunbird (*Nectarinia famosa*). *Mark Brown, Colleen T. Downs, and Steven D. Johnson*. 151

Birdsong differs between mercury-polluted and reference sites. *Kelly K. Hallinger, Daniel J. Zabransky, Katherine A. Kazmer, and Daniel A. Cristol*. 156

Fueling incubation: Differential use of body stores in Arctic- and temperate-breeding Barnacle Geese (*Branta leucopsis*). *Götz Eichhorn, Henk P. van der Jeugd, Harro A. J. Meijer, and Rudolf H. Drent* 162

Population and Conservation Biology

Determinants of territorial recruitment in Bonelli's Eagle (*Aquila fasciata*) populations. *Antonio Hernández-Matías, Joan Real, Roger Pradel, Alain Ravayrol, Nicolas Vincent-Martin, Fabrice Bosca, and Gilles Cheylan* 173

Effects of forest management on postfledging survival of Rose-breasted Grosbeaks (*Pheucticus ludovicianus*). *Levi C. Moore, Bridget J. M. Stutchbury, Dawn M. Burke, and Ken A. Elliott* 185

Reproductive Ecology

Experimental evidence that both timing and parental quality affect breeding success in a zooplanktivorous seabird. *J. Mark Hipfner, Laura A. McFarlane-Tranquilla, and BriAnne Addison.* 195

Biotic and abiotic factors governing nestling-period length in the Ovenbird (*Seiurus aurocapilla*). *Kirk W. Stodola, David A. Buehler, Daniel H. Kim, Kathleen E. Franzreb, and Eric T. Linder* 204

Factors that affect renesting in Mallards (*Anas platyrhynchos*). *Todd W. Arnold, James H. Devries, and David W. Howerter.* 212

Seasonal variation in reproductive output of a Neotropical temperate suboscine, the Firewood-gatherer (*Anumbius annumbi*). *Kaspar Delhey, Martín Carrizo, Lucas C. Verniere, Bettina Mahler, and Anne Peters* 222

Letters

Recent experimental data on the energy costs of avian flight call for a revision of optimal migration theory. *Nikita Chernetsov*. 232

Memorials

In Memoriam: Barbara Blanchard DeWolfe, 1912–2008. *Stephen I. Rothstein* 235

In Memoriam: Ian Cecil Robert Rowley, 1926–2009. *Stephen Pruett-Jones*. 238

Book Reviews

Book Reviews. *Edited by R. Todd Engstrom* 239

Awards

William Brewster Memorial Award, 2009: *Joanna Burger*. 243

Elliott Coues Award, 2009: *Charles R. Brown and Mary Bomberger Brown*. 244

Ned K. Johnson Young Investigator Award, 2009: *Renée Duckworth* 245

Ralph W. Schreiber Conservation Award, 2009: *Scott R. Derrickson* 246

Marion A. Jenkinson AOU Service Award, 2009: *M. Ross Lein* 248

Postscript

100 Years Ago in the American Ornithologists' Union. *Kimberly G. Smith*. 250

NUMBER 2

Perspectives in Ornithology

Diversification of life histories in New World birds. *W. Douglas Robinson, Michaela Hau, Kirk C. Klasing, Martin Wikelski, Jeffrey D. Brawn, Suzanne H. Austin, Corey E. Tarwater, and Robert E. Ricklefs* 253

Research Articles

Behavior and Behavioral Ecology

Community-level patterns of host use by the Brown-headed Cowbird (*Molothrus ater*), a generalist brood parasite. *James W. Rivers, William E. Jensen, Karl L. Kosciuch, and Stephen I. Rothstein*. 263

Geographic variation in songs of the Tree Pipit (*Anthus trivialis*) at two spatial scales. *Tereza Petrusková, Tomasz S. Osiejuk, and Adam Petrusek* 274

Human vision can provide a valid proxy for avian perception of sexual dichromatism. *Nathalie Seddon, Joseph A. Tobias, Muir Eaton, and Anders Ödeen* 283

Phenotypic plasticity in Common Grackles (*Quiscalus quiscula*) in response to repeated brood parasitism. *Brian D. Peer and Stephen I. Rothstein* 293

Extreme levels of multiple mating characterize the mating system of the Saltmarsh Sparrow (*Ammodramus caudacutus*). *Christopher E. Hill, Carina Gjerdrum, and Chris S. Elphick* 300

Behavior and Physiology

Bill morphology of ibises suggests a remote-tactile sensory system for prey detection. *Susan J. Cunningham, Maurice R. Alley, Isabel Castro, Murray A. Potter, Malcolm Cunningham, and Michael J. Pyne* 308

Conservation Biology

Alteration of habitat structure and food resources by invasive Smooth Cordgrass affects habitat use by wintering saltmarsh birds at Chongming Dongtan of East China. *Xiaojing Gan, Chiyeung Choi, Yong Wang, Zhijun Ma, Jiakuan Chen, and Bo Li* 317

Nesting success of grassland birds in small patches in an agricultural landscape. *Jeffery W. Walk, Eric L. Kershner, Thomas J. Benson, and Richard E. Warner* 328

Evolution and Genetics

Population genetic studies of mitochondrial pseudo-control region in the endangered Araripe Manakin (*Antilophia bokermanni*). *Péricles S. Rêgo, Juliana Araripe, Weber A. G. Silva, Ciro Albano, Thieres Pinto, Alberto Campos, Marcelo Vallinoto, Iracilda Sampaio, and Horacio Schneider*. 333

Birds of a feather do not always lek together: Genetic diversity and kinship structure of Greater Sage-Grouse (*Centrocercus urophasianus*) in Alberta. *Krista L. Bush, Cameron L. Aldridge, Jennifer E. Carpenter, Cynthia A. Paszkowski, Mark S. Boyce, and David W. Coltman*. 343

Landscape and Movement Ecology

Multiscale postfledging habitat associations of juvenile songbirds in a managed landscape. *Greg W. Mitchell, Philip D. Taylor, and Ian G. Warkentin* 354

Movements of fledgling Ovenbirds (*Seiurus aurocapilla*) and Worm-eating Warblers (*Helmitheros vermivorum*) within and beyond the natal home range. *Andrew C. Vitz and Amanda D. Rodewald*. 364

Delayed dispersal and territory acquisition in Neotropical Buff-breasted Wrens (*Thryothorus leucotis*). Sharon A. Gill and Bridget J. M. Stutchbury 372

Methods and Statistics

A general Bayesian hierarchical model for estimating survival of nests and young. *Joshua H. Schmidt, Johann A. Walker, Mark S. Lindberg, Devin S. Johnson, and Scott E. Stephens* 379

Traffic effects on bird counts on North American Breeding Bird survey routes. *Emily H. Griffith, John R. Sauer, and J. Andrew Royle* 387

Migration

Indices of immune function are lower in Red Knots (*Calidris canutus*) recovering protein than in those storing fat during stopover in Delaware Bay. *Deborah M. Buehler, B. Irene Tieleman, and Theunis Piersma* 394

Population biology and Demography

Apparent nest abandonment as evidence of breeding-season mortality in Great Lakes Piping Plovers (*Charadrius melodus*). *Erin A. Roche, Todd W. Arnold, and Francesca J. Cuthbert* 402

The role of the Eurasian Sparrowhawk (*Accipiter nisus*) in the decline of the House Sparrow (*Passer domesticus*) in Britain. *Christopher P. Bell, Sam W. Baker, Nigel G. Parkes, M. de L. Brooke, and Dan E. Chamberlain.* 411

Attenuated nesting season of the Acadian Flycatcher (*Empidonax virescens*) in urban forests. *Daniel P. Shustack and Amanda D. Rodewald* 421

Systematics

Polyphyly of *Campylorhamphus*, and description of a new genus for *C. pucherani* (Dendrocolaptinae). *Santiago Claramunt, Elizabeth P. Derryberry, R. Terry Chesser, Alexandre Aleixo, and Robb T. Brumfield* 430

Complete mitochondrial genome sequences and the phylogeny of cranes (Gruiformes: Gruidae). *Carey Krajewski, Justin T. Sipiorski, and Frank E. Anderson* 440

Commentary

A blackmail hypothesis for the evolution of conspicuous egg coloration in birds. *Daniel Hanley, Stéphanie M. Doucet, and Donald C. Dearborn* 453

Letters

Color blindness and visualizing georeferenced data in mapped products: We can do more. *Wayne E. Thogmartin.* 460

Memorials

In Memoriam: Rudolf Herman Drent, 1937–2008. *Joost M. Tinbergen and Theunis Piersma* 463

In Memoriam: William Henry Belton, 1914–2009. *Lorien R. Belton* 465

Book Reviews

Book Reviews. *Edited by R. Todd Engstrom* 466

Postscript

100 Years Ago in the American Ornithologists' Union. *Kimberly G. Smith* 469

NUMBER 3

Perspectives in Ornithology

Spatial ecology of migratory passerines on temperate and boreal forest breeding grounds. *Darroch M. Whitaker and Ian G. Warkentin* 471

Research Articles

Behavior and Behavioral Ecology

Using spatial point-pattern assessment to understand the social and environmental mechanisms that drive avian habitat selection. *Trina S. Bayard and Chris S. Elphick* 485

Passive sperm loss and patterns of sperm precedence in Muscovy Ducks (*Cairina moschata*). *Sarah M. Stai and William A. Searcy* 495

Factors influencing the at-sea distribution of Cassin's Auklets (*Ptychoramphus aleuticus*) that breed in the Channel Islands, California. *Josh Adams, John Y. Takekawa, Harry R. Carter, and Julie Yee* 503

Winter territoriality and spatial behavior of Bicknell's Thrush (*Catharus bicknelli*) at two ecologically distinct sites in the Dominican Republic. *Jason M. Townsend, Christopher C. Rimmer, and Kent P. McFarland* 514

Individual variation of foraging behavior and food provisioning in Adélie Penguins (*Pygoscelis adeliae*) in a fast-sea-ice area. *Yutaka Watanuki, Akinori Takahashi, and Katsufumi Sato* 523

Fruit-size preferences in wild and naive Eurasian Blackbirds (*Turdus merula*) feeding on Oneseed Hawthorn (*Crataegus monogyna*). *Mar Sobral, Asier R. Larrinaga, and José Guitián* 532

Behavior and Physiology

Morph-specific variation in baseline corticosterone and the adrenocortical response in breeding White-throated Sparrows (*Zonotrichia albicollis*). *Brent M. Horton and Rebecca L. Holberton* 540

Dietary calcium negatively affects the size of a status signal in juvenile male House Sparrows (*Passer domesticus*). *Ian R. K. Stewart and David F. Westneat* 549

Why grow slowly in a dangerous place? Postnatal growth, thermoregulation, and energetics of nestling Green-rumped Parrotlets (*Forpus passerinus*). M. Andreína Pacheco, Steven R. Beissinger, *and Carlos Bosque.* 558

Socially induced synchronization of every-other-day egg laying in a seabird colony. *Shandelle M. Henson, James L. Hayward, J. M. Cushing, and Joseph G. Galusha* 571

Conservation Biology

Road effects on food availability and energetic intake in Florida Scrub-Jays (*Aphelocoma coerulescens*). *Gina M. Morgan, Raoul K. Boughton, Michelle A. Rensel, and Stephan J. Schoech* 581

Evolution and Genetics

Homology and evolution of avian compound rhamphothecae. *Tobin I. Hieronymus and Lawrence M. Witmer* 590

Unidirectional hybridization and introgression in an avian contact zone: Evidence from genetic markers, morphology, and comparisons with laboratory-raised F_1 hybrids. *Paula M. den Hartog, Ardie M. den Boer-Visser, and Carel ten Cate* 605

Genetic differentiation of a subspecies of Spruce Grouse (*Falcipennis canadensis*) in an endemism hotspot. *Patrick D. Barry and David A. Tallmon.* 617

Bill shape and sexual shape dimorphism between two species of temperate hummingbirds: Black-chinned Hummingbird (*Archilochus alexandri*) and Ruby-throated Hummingbird (*A. colubris*). *Chelsea M. Berns and Dean C. Adams* 626

Migration

An integrative assessment of the effects of tamarisk on stopover ecology of a long-distance migrant along the San Pedro River, Arizona. *David J. Cerasale and Christopher G. Guglielmo* 636

Migratory behavior and differential resource allocation between wing and tail feathers in a passerine bird. *Iván de la Hera, Javier Pérez-Tris, and José Luis Tellería* 647

Population biology and Demography

Anthelmintics increase survival of American Coot (*Fulica americana*) chicks. *Courtney L. Amundson and Todd W. Arnold* 653

Sensitivity of nesting Great Egrets (*Ardea alba*) and White Ibises (*Eudocimus albus*) to reduced prey availability. *Garth Herring, Dale E. Gawlik, Mark. I. Cook, and James M. Beerens.* 660

Sex-related dispersal in the Mountain Plover (*Charadrius montanus*). *Paul D. B. Skrade and Stephen J. Dinsmore* 671

Systematics

A new species of boubou (*Malaconotidae: Laniarius*) from the Albertine Rift. *Gary Voelker, Robert K. Outlaw, Sushma Reddy, Michael Tobler, John M. Bates, Shannon J. Hackett, Charles Kahindo, Ben D. Marks, Julian C. Kerbis Peterhans, and Thomas P. Gnoske.* 678

Commentaries

The importance, effects, and ethics of bird collecting. *Kevin Winker, J. Michael Reed, Patricia Escalante, Robert A. Askins, Carla Cicero, Gerald E. Hough, and John Bates* 690

Contribution of declining anadromous fishes to the reproductive investment of a common piscivorous seabird, the Double-crested Cormorant (*Phalacrocorax auritus*). *Andrew W. Jones, Christopher M. Dalton, Edward S. Stowe, and David M. Post* 696

A hard look at blood sampling of birds. *Margaret Voss, Dave Shutler, and Jacob Werner* 704

Memorials

In Memoriam: Carl D. Marti, 1944–2010. *Jeffrey S. Marks and Fabian M. Jaksić* 709

In Memoriam: Klaus Schmidt-Koenig, 1930–2009. *Charles Walcott* 711

In Memoriam: Richard George Bolney Brown, 1935–2010. *David N. Nettleship* 712

Book Reviews

Book Reviews. *Edited by R. Todd Engstrom* 714

Postscript

100 Years Ago in the American Ornithologists' Union. *Kimberly G. Smith* 725

Fifty-first Supplement to the American Ornithologists' Union *Check-list of North American Birds*. *R. Terry Chesser, Richard C. Banks, F. Keith Barker, Carla Cicero, Jon L. Dunn, Andrew W. Kratter, Irby J. Lovette, Pamela C. Rasmussen, J. V. Remsen, Jr., James D. Rising, Douglas F. Stotz, and Kevin Winker* 726

NUMBER 4

Announcement 745

Rapid Communications

Beak deformities in Northwestern Crows: Evidence of a multispecies epizootic. *Caroline Van Hemert and Colleen M. Handel* 746

Perspectives in Ornithology

Evolution of personality: Developmental constraints on behavioral flexibility. *Renée A. Duckworth* 752

Research Articles

Behavior and Behavioral Ecology

Intraclutch variation in egg appearance constrains rejection of Brown-headed Cowbird (*Molothrus ater*) eggs in Common Grackles (*Quiscalus quiscula*). *Brian D. Peer, Stephen I. Rothstein, and Robert A. McCleery* 759

Conspecific brood parasitism in Common Eiders (*Somateria mollissima*): Do brood parasites target safe nest sites? *Alain P. Lusignan, Katherine R. Mehl, Ian L. Jones, and Mark L. Gloutney* 765

Behavior and Physiology

A double-clock or jetlag mechanism is unlikely to be involved in detection of east–west displacements in a long-distance avian migrant. *Dmitry Kishkinev, Nikita Chernetsov, and Henrik Mouritsen* 773

Sugar preferences of a generalist nonpasserine flower visitor, the African Speckled Mousebird (*Colius striatus*). *Mark Brown, Colleen T. Downs, and Steven D. Johnson* 781

The displays and sonations of the Black-chinned Hummingbird (Trochilidae: *Archilochus alexandri*). *Teresa J. Feo and Christopher J. Clark* 787

Conservation Biology

Comparison of molecular markers in the endangered Black-capped Vireo (*Vireo atricapilla*) and their interpretation in conservation. *Robert M. Zink, Andrew W. Jones, C. Craig Farquhar, Michael C. Westberg, and Jose I. Gonzalez Rojas* 797

Subspecific status and population genetic structure of Least Terns (*Sternula antillarum*) inferred by mitochondrial DNA control-region sequences and microsatellite DNA. *Hope M. Draheim, Mark P. Miller, Patricia Baird, and Susan M. Haig* 807

Evolution and Genetics

Complex evolution of bile salts in birds. *Lee R. Hagey, Nicolas Vidal, Alan F. Hofmann, and Matthew D. Krasowski* 820

The unusual sperm morphology of the Eurasian Bullfinch (*Pyrrhula pyrrhula*) is not due to the phenotypic result of genetic reduction. *Kate L. Durrant, Deborah A. Dawson, Terry Burke, and Tim R. Birkhead* 832

Methods and Statistics

An unreconciled double-observer method for estimating detection probability and abundance. *Jason D. Riddle, Kenneth H. Pollock, and Theodore R. Simons* 841

Migration

Protein requirements of an omnivorous and a granivorous songbird decrease during migration. *Lillie A. Langlois and Scott R. McWilliams* 850

Efficacy of migration counts for monitoring continental populations of raptors: An example using the Osprey (*Pandion haliaetus*). *Christopher J. Farmer, Kamran Safi, David R. Barber, Ian Newton, Mark Martell, and Keith L. Bildstein* 863

At-sea distribution and behavior of Streaked Shearwaters (*Calonectris leucomelas*) during the nonbreeding period. *Takashi Yamamoto, Akinori Takahashi, Nobuhiro Katsumata, Katsufumi Sato, and Philip N. Trathan* 871

Parasites and Disease

Epizootic of beak deformities among wild birds in Alaska: An emerging disease in North America? *Colleen M. Handel, Lisa M. Pajot, Steven M. Matsuoka, Caroline Van Hemert, John Terenzi, Sandra L. Talbot, Daniel M. Mulcahy, Carol U. Meteyer, and Kimberly A. Trust* 882

Population Biology and Demography

Scale-dependent mechanisms of habitat selection for a migratory passerine: An experimental approach. *Kerri L. Cornell and Therese M. Donovan* 899

Reproductive and Breeding Biology

Temporal instability of agricultural habitat reduces reproductive success of Barn Owls (*Tyto alba*). *Jason M. Martin, Lyn C. Branch, Richard N. Raid, and Suzanne C. Beyeler* 909

Influence of spring temperatures and individual traits on reproductive timing and success in a migratory woodpecker. *Karen L. Wiebe and Heather Gerstmar* 917

Unusual incubation behavior and embryonic tolerance of hypothermia by the Blood Pheasant (*Ithaginis cruentus*). *Chen-Xi Jia, Yue-Hua Sun, and Jon E. Swenson* 926

Systematics

Evidence for the species status of the Bahama Yellow-throated Warbler (*Dendroica "dominica" flavescens*). *Bailey D. McKay, M. Bryant J. Reynolds, William K. Hayes, and David S. Lee* 932

Commentaries

Interpreting the lists and equations of egg dimensions in Schönwetter's *Handbuch der Oologie*. *Golo Maurer, Douglas G. D. Russell, and Phillip Cassey* 940
Evaluation of the Nelson Carolina Parakeet film. *Noel F. R. Snyder, Gregory F. Budney, and Eduardo E. Iñigo-Elias* 948

Memorials

In Memoriam: James Allen Keast, 1922–2009. *François Vuilleumier* 952
In Memoriam: Derek Goodwin, 1920–2008. *Jerome A. Jackson* 955

Book Reviews

Book Reviews. *Edited by R. Todd Engstrom* 956

Postscript

100 Years Ago in the American Ornithologists' Union. *Kimberly G. Smith* 964
Errata 966
Reviewers for *The Auk* 2010 967
Status of the California Condor (*Gymnogyps californianus*) and efforts to achieve its recovery. *Jeffrey R. Walters, Scott R. Derrickson, D. Michael Fry, Susan M. Haig, John M. Marzluff, and Joseph M. Wunderle, Jr.* 969
Index to Volume 127. *Compiled by Todd J. Underwood* 1002

Dates of Issue of *The Auk*
Vol. 127, No. 1—5 February 2010
Vol. 127, No. 2—30 April 2010
Vol. 127, No. 3—28 July 2010
Vol. 127, No. 4—10 November 2010